



Sam White Bridge Fact Sheet

UDOT's Utah County I-15 Corridor Expansion (I-15 CORE), with contractor Provo River Constructors, will move the Sam White Bridge in American Fork on March 26. It will be **the longest two-span bridge ever moved in the Western Hemisphere**. The 354-foot structure was constructed using Accelerated Bridge Construction (ABC) on the side of the freeway and both spans will be moved into place simultaneously in one evening using two sets of Self Propelled Modular Transporters (SPMT).

About the Sam White Bridge

- Crosses over I-15 on Sam White Lane in American Fork
- Was built on the east of the freeway in a "bridge farm" using ABC from August 2010 to March 2011
- Will be moved into place in one evening using Self Propelled Modular Transporters (SPMT)
- Third of six ABC bridges to be moved by SPMT on I-15 CORE
- UDOT's 23rd ABC bridge move – more than double bridge moves by all other states combined
- While in transition, the bridge will be hoisted 21 feet in the air to set into place
- Length: 354 feet long – the longest two-span bridge ever moved in the Western Hemisphere
 - Each span is 177 feet and will be moved simultaneously with two sets of SPMTs
- Superstructure Weight: 3.82 million pounds
- Width: 80 feet wide
- Bridge Area: 27,500 square feet
- 1,134 cubic yards, or 2.27 million pounds, of concrete
 - 970 yards, or 940,000 pounds, of concrete on the deck
 - 300,000 pounds concrete parapets (safety barriers)
 - 1.53 million pounds concrete slabs
- 1.47 million pounds steel
- 275,350 pounds rebar
- 12,700 hours to construct and move the bridge
- A complete reconstruct of the former Sam White Bridge
- The former bridge had a 14 feet 7 inch height clearance; the new bridge will have the national design standard height of 17 feet 3 inches
- Six additional full nighttime freeway closures would have been necessary to rebuild the bridge using traditional methods
- Sam White was a homesteader of 160 acres at the end of Sam White Lane

About I-15 CORE

- The \$1.725 billion Utah County I-15 Corridor Expansion (I-15 CORE) will renovate 24 miles from Lehi to Spanish Fork to meet transportation demands through the year 2030
 - Add two lanes in both directions from Lehi Main Street to Spanish Fork Main Street
 - Extend the express lane (HOV) in both directions from University Parkway in Orem to Spanish Fork
 - Rebuild and reconfigure 10 freeway interchanges and build, modify or replace 63 aging bridges
 - Use a 40-year concrete pavement design along the entire corridor
- The design-build project is being constructed by Provo River Constructors (PRC), a consortium of 30 plus companies led by Fluor Corporation, Ames Construction Company, Wadsworth Brothers Construction Company and Ralph L. Wadsworth Construction Company
- Currently, design is 90 percent complete and construction 25 percent done and the project is on schedule for the December 2012 finish deadline